

ACC NR: AP7006788

SOURCE CODE: UR/0073/66/032/012/1361/1364

AUTHOR: Nezamova, T. G.; Dobrovol'skaya, V. P.; Barannik, V. P.

ORG: Sevastopol' Instrumentation Institute (Sevastopol'skiy priborostroitel'nyy institut)

TITLE: Study of the anticorrosive action of benzothiazole in neutral and acid media

SOURCE: Ukrainskiy khimicheskiy zhurnal, v. 32, no. 12, 1966, 1361-1364

TOPIC TAGS: benzothiazole, corrosion inhibitor, anticorrosion additive

ABSTRACT: The effect of the protective properties of benzothiazole and its derivatives on the corrosion of ferrous metals (ferritic steel, gray iron, Ni-Resist) and copper in a neutral and an acid medium (HCl) was studied at 25°C. The samples were immersed in the solutions for 14 days without stirring. Benzothiazole was found to inhibit the corrosion of ferrous metals most effectively at pH 1, but its protective action was insufficient. It protects copper only when present in low concentrations (0.01-0.2%). Solutions of sodium salt of mercaptobenzothiazole exhibit a protective action and are effective corrosion inhibitors for ferrous metals and copper. The practical applicability of the commercial product Captax (technical grade mercaptobenzothiazole) was demonstrated. Orig. art. has: 5 figures.

SUB CODE: 07/13 SUEM DATE: 09Aug64/ OTH REF: 008

Card 1/1

UDC: 620.197.3+547.77

S/196/62/000/013/016/018
E194/E155

AUTHOR: Nezbeda, Slavibor.

TITLE: An electric motor with continuous control of torque and speed

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.13, 1962, 6, abstract 15 K 29 P. (Czechoslovak Patent class 21 c, 59/01, no.97822, 15.12.1960)

TEXT: The patent covers a synchronous torque convertor in which the stator winding is connected to a stationary commutator. The stator and rotor voltages are delivered through a stationary ring and moving brushes. Rotation of the control shaft alters the torque of the output power shaft. The output and control shafts are connected through a differential reduction gear so that they run at the same speed. By rotation of a control flywheel the position of one relative to the other may be altered, thus altering the motor torque.

[Abstractor's note: Complete translation.]

Card 1/1

BERLIN, L.B.; NEZDATNYI, M.M.

Histological processes during homografts of preserved rabbit skin.
Dokl.AN SSSR 138 no.3:706-709 My '61. (MIRA 14:5)

1. Voenno-meditsinskaya akademiya im. S.M.Kirova. Predstavleno
akademikom N.N.Anichkovym.
(HOMOGRAFTS) (SKIN GRAFTING)

L 13069-65 Pa-1/Pb-1 AND

ACCESSION NR: AR4045856

S/299/64/000/014/MO21/MO21

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 14M138

AUTHOR: Nezdal'myky, M. M.

TITLE: Tissue fixative properties and biological barrier permeability in skin homotransplantation.

CITED SOURCE: Sb. 3 Vses. konferentsiya po peresadke tkaney i organcy, 1963. Yerevan, 1963, 69-70

TOPIC TAGS: skin, transplantation, tissue properties, barrier permeability, permeability, antigen, lymphatic system, rabbit, liver, cortisone, histochematic barrier

TRANSLATION: Skin homotransplantation was performed on the ears of rabbits. India ink was injected into the ear between the transplant and the ear canal lymph nodes immediately after transplantation or at

spleen, and bone marrow was determined by histological investigation.

Card 1/2

L 13069-65

ACCESSION NR: AR4045856

It was found that in the first hours after homotransplantation the permeability of the regional part of the lymphatic system increased. The ink quickly penetrated into animal tissues and was retained there; an especially large accumulation of india ink was found in the Kupfer cells of the liver. Permeability sharply decreased from the second day after skin transplantation and ink was retained in the regional

SUB CODE: LS

ENCL: 00

Card 2/2

L 21729-65 Pa-4/Pb-4 AM)

ACCESSION NR: AR4045752

S/0209/64/000/013/1013/1013

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 13M82

AUTHOR: Popov, V. I.; Nezdlatnyy, M. M.

TITLE: Effect of certain drugs and irradiation on transplant immunity

CITED SOURCE: Sb. 3 Vses. konferentsiya po peresadke tkaney i organov, 1963. Mirevan, 1963, 75-76

TOPIC TAGS: rabbit, transplant immunity, skin, homotransplantation, viability, antinestabolite, antipyretic, antitumor drug, irradiation effect, cortisone, mercaptopurine

TRANSLATION: The effect of different drugs and X-irradiation on transplant immunity was investigated in 291 rabbits. After skin

exposed to ...
twofold with mercaptopurine. A-metopterin, sulfacyl, paraaminobenzoyl

Card 1/2

L 21729-65

ACCESSION NR: ARL4045752

lic acid, and dehydrothymine did not affect prolongation of transplant viability. Of the antitumor drugs, only doxane and TIO TEF in moderate doses prolonged homotransplant life by 1½ times and derganol increased homotransplant viability threefold. Sarcocysin, chlorambucil, and novoembichin proved to be ineffective. Toxic doses of ... homotransplant viability.

only with sublethal and lethal doses (1000 r), and by 2 values when combined with cortisone.

SUB CODE: LS

ENCL: 00

Card 2/2

L 16564-65 EWG(j)/EWG(r)/EWG(t)/FS(v)-3/EWG(r)/EWG(a)/EWG(c) Fe-5/Pa-4/
Pb-4 AMD DD

ACCESSION NR: AR4045753 S/0299/64/000/013/M013/M013

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 13M83

AUTHOR: Popov, V. I.; Nezdatskiy, M. M.; Sharobayko, V. I. B

TITLE: Effect of ribonucleic acid on transplant immunity development

CITED SOURCE: Sb. 3 Vses. konferentsiya po peresadke tkaney i organov, 1963, Yerevan, 1963, 77-78

TOP SECRET Approved for release: Monday, July 31, 2000 CIA-RDP86-00513R001136 immunity

TRANSLATION: Skin homotransplants were performed on rabbits' ears. RNA was isolated from the donors' livers by Georgiyev's method. In one experimental series the skin flaps were incubated in the donor's RNA for 3 days before transplantation. In other experimental series the rabbits received daily RNA injections after homotransplantation. In both series survival periods for the homotransplants were length-

ened. Homotransplant survival periods increased more for the

Card 1/2

L 16564-65

ACCESSION NR: AR4015753

animals who received the subcutaneous RNA injections. Death of homotransplants was gradual, the homotransplants were not sloughed off, but were gradually resorbed, and healing of the wound took place with formation of a small scar. The action mechanism of donor RNA on homotransplant survival periods is not clear.

SUB CODE: LS

ENCL: 00

Card 2/2

POPOV, V.I.; NEZDATNYI, M.M.

Possibility of prolonging the viability of homoplastic skin grafts in rabbits with alkylating substances. Pat. fiziol. i eksp. terap. 8 no.1:37-39 Jan-F '64. (MIRA 18.2)

1. Kafedra obshchey khirurgii (nachal'nik prof. V.I. Popov)
Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova,
Leningrad.

NEZDARNYY, SEMEN MIKHAYLOVICH

N/5
662.4
N5

Stroitel'ny o gazosnabzhenii (Handbook for a Designer of Urban Gas Supply Systems)

Kiyev, Gosstroizdat USSR, 1957

157, (1) p. illus., diags., tables

(V pomosh' inzheneru-stroitel'ny i arkhitekteru)

"Literatura": p.158.

662.4	N/5
735.3	N/5
735.4	N/5
759.3	N/5
745.4	N/5

MEA

NEZDAT'NYI, S., inzh.

Using asbestos veneer instead of metal and plain asbestos.

Zhil.-kom.khoz. 8 no.1:25 '58.

(MIRA 11:1)

(Refractory materials)

NEZDATNYK, S.

Method for detecting leaks in city underground gas pipes.
Gaz. prom. 4 no.11:55 '59. (MIRA 13:2)
(Great Britain--Gas, Natural--Pipelines)

BLOKH, G.A.; GOLUBEKOVA, Ye.A.; GURKOVSKIY, G.M.; MARKOV, S.A.;
NEZDATNYI, S.M.

Rubber expansion joints in underground gas pipelines. Gaz.
prom. 5 no.3:25-30 Mr '60. (MIRA 13:6)
(Pipe joints) (Gas pipes) (Rubber--Testing)

NEZDATNYI, S.M.; GURKEVSKIY, G.M.; ROTSSEL', V.I.; MARKOV, S.A.; REZNIK, L.L.

Rubber expansion pieces for pipelines. Suggested by S.M.Nezdatnyi,
G.M.Gurkevskii, V.I.Rotsel', S.A.Markov, L.L.Reznik. Rats. i izobr.
predl. v stroi. no.15:74-75 '60. (MIRA 13:9)

1. Po materialam Tekhnicheskogo upravleniya Ministerstva stroitel'stva
USSR.

(Pipe fittings)

RABINOVICH, M.I.; BINGAKOV, K.B.; NEMIDATNYI, S.M.; CHEPEL', S.T.

Gas stove with catalyst for combustion products into a filter. Gaz.
prom. 8 no. 3420-26 '67 (MIRA 1787)

KRUSHEL', G.Ye., doktor tekhn.nauk; MEZDATNYI, V.I., inzh.; PROKOPENKO,
A.G., inzh.; SHAPOSHNIKOV, Ye.K., inzh.; SHVETS, V.E., inzh.

Operation of superimposed turbines with varying counterpressure.
Teploenergetika 7 no.5:25-27 My '60. (MIRA 13:8)

1. Yuzhnoye otdeleniye Gosudarstvennogo tresta po organizatsii i
ratsionalizatsii elektrostantsiy; Belorussenergo i Nikolayevskiy
energokombinat.

(Turbines)

NEAD-TNYY, V.I., Inzh.

Systems for trapping chips. Energ. i elektrotekh. prog.
no. 3:59-60 11.3 '65. (MIRA 18:9)

NEZDOYMIN, I.K.; GLIKSON, A.Ya.

Operating practices of coreless induction furnaces. Stal' 15
no. 5:469-470 My '55. (MLRA 8:6)
(Induction heating) (Electrometallurgy) (Electric furnaces)

NEZDYUROV, D. F.

Meteorological Observatories

From the history of local geophysical observatories; branches of the Main Geophysical Observatory. Met. i gidrol. No. 5, 1949.

9. Monthly List of Russian Accessions, Library of Congress, October 1956, 2 Uncl.

NEZDIUROV, D.F.

[A.A.Kaminskii, vydaiushchiisia meteorolog-klimatolog. Leningrad,
Gidrometeor. izd-vo, 1953. 59 p. (MLA 15:10)
(Kaminskii, Anton Antonovich, 1862-1936)

Nezdyurov, D. F. 14-57-2-14177
Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7,
p 4 (USSR)

AUTHOR: Nezdyurov, D. F.

TITLE: Reminiscences about Alexander Ivanovich Voyeykov
(Vospominaniya ob Aleksandre Ivanoviche Voyeykove)

PERIODICAL: V sb: A. I. Voyeykov i sovrem. probl. klimatol.,
Leningrad, Gidrometeoizdat, 1956, pp 22-28

ABSTRACT: Bibliographic entry
Card 1/1

SOV/50-59-8-14/19

3(7)

AUTHOR:

Nezdyurov, D. F.

TITLE:

The Outstanding Russian Scientist Mikhail Aleksandrovich Rykachev (Vydayushchiyaya russkiy uchenyy Mikhail Aleksandrovich Rykachev)

PERIODICAL:

Meteorologiya i gidrologiya, 1959, Nr 8, pp 39-42 (USSR)

ABSTRACT:

This is a short curriculum vitae of the meteorologist Academician Mikhail Aleksandrovich Rykachev who died on April 1, 1919. A number of scientists such as B. I. Sreznevskiy, I. B. Shpindler, P. I. Brounov, Yu. M. Shokal'skiy et al have started their career under his direction.

Card 1/1

NEZDYUROV, D.F.

Meteorological Museum. Meteor. i gidrol. no. 7:57-58 J1 '61.
(MIRA 14:6)

(Voyeykovo—Meteorological museums)

NEZDYUROV, D.F.

In memory of M.A. Rykachev; reminiscences. Trudy GGO no.123
28-32 '61. (MIRA 14:8)
(Rykachev, Mikhail Aleksandrovich, 1840-1919)

NEZDYUROV, D.P., professor; POLOVKO, I.K., professor; SHCHERBAN', 'I.I.,
kandidat geografichnikh nauk.

History of studying the climate of the Ukraine. Nauk.zap.Kiev.
un. 13 no.3:75-90 '54. (MLRA 9:10)

(Ukraine--Climate)

VELICHKIN, I.N., kand. tekhn. nauk; SMIRNOV, G.A., inzh.; NEZHELENOV, Yu.V.

Increasing the operational reliability and the effectiveness of oil purification systems of tractor engines. Trakt. i sel'khoz mash. no.7: 6-8 J1 '65. (MIRA 18:7)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktorny institut.

MEZERKA, K.

4

Journal of the Iron and Steel Inst.
June 1, 54
Analysis

Polarographic Determination of Aluminium in Steel. K. Mezerka and J. Petrov. (*Hutnické Listy*, 1953, 8, (8), 418-420). [In Czech]. Details are given of the polarographic method of determining aluminium in steel by means of the direct polarographic wave and by means of the derivative of that wave form. The latter can be recorded if a suitable adapter is employed with the usual polarographic equipment. This method is shown to be rapid and reliable, about 6 hr. being required for aluminium determinations on 20 samples of unalloyed steels. The method is also applicable for the indirect determination of oxygen in steel by Herty's method, in which alumina, obtained from the steel after its solution in HCl, is estimated polarographically.— F. F.

NEZERKA, K.

"Equipment for eliminating phenol from waste water in the coke works of the J.M. Kocotav Iron Works in Trinec." *Voda, Praha*, Vol. 33, No. 11, Nov. 1953, p. 27.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, 1.0.

NEZGADA, V.M.

Unit for pumping caustic and sulfuric acid. Prom.energ.
16 no.9:34 S '61. (MIRA 14:8)
(Pumping machinery)

PROCESSES AND PROPERTIES INDEX

1110

A

Sistomylase of potato tubers. K. Sukharukov and L. Nezgovov. *Compt. rend. acad. sci. U. R. S. S.* 27, 20 22 (1940) (in English).—A thermostable and a thermostable form of sistomylase were found in potato tubers. The labile form seems to be associated with starch synthesis, since it was absent in sprouting tubers, present in resting tubers, and when incubated with dextrans changed their color toward the blue. I. I. Willaman

Dept. Plant Physiol. & Biochem., Toussle State U.
 Photosynthesis Lab. Ribbler, Inst. Plant Physiol. in Tammuz

ASSOCIATED METALLURGICAL LITERATURE CLASSIFICATION

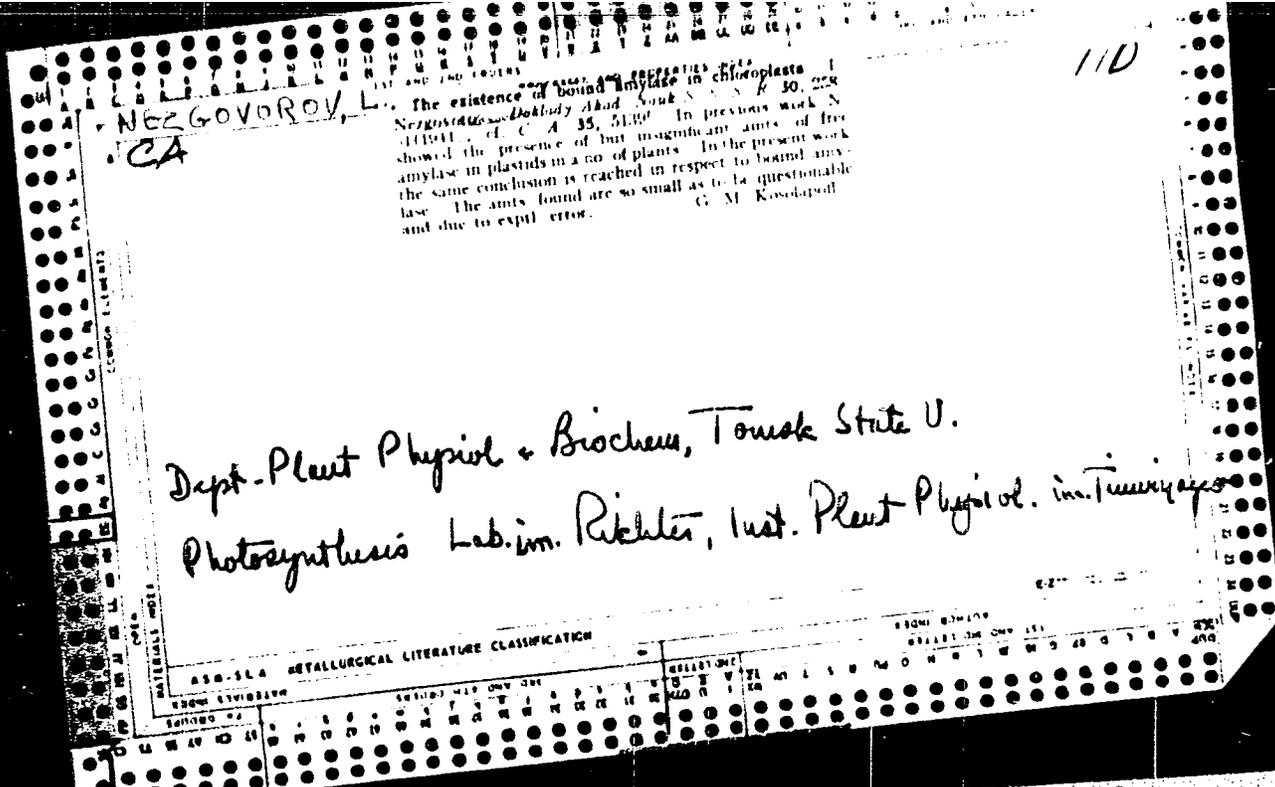
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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NEZGOVOROV, L

A
Amylase in the chloroplasts. L. Nezgovorov. *Comp. rend. acad. sci. U. R. S. S.* 29, 624-7 (1940) (in English)
Plastids were sepd. from the cytoplasm in the leaves of 17 species. Amylase was detd. in the plastids and in the whole leaf. Only from one to 15% of the total amylase was found in the plastids. Disintegrating the plastids by freezing did not increase the amylase activity. J. J. Willaman

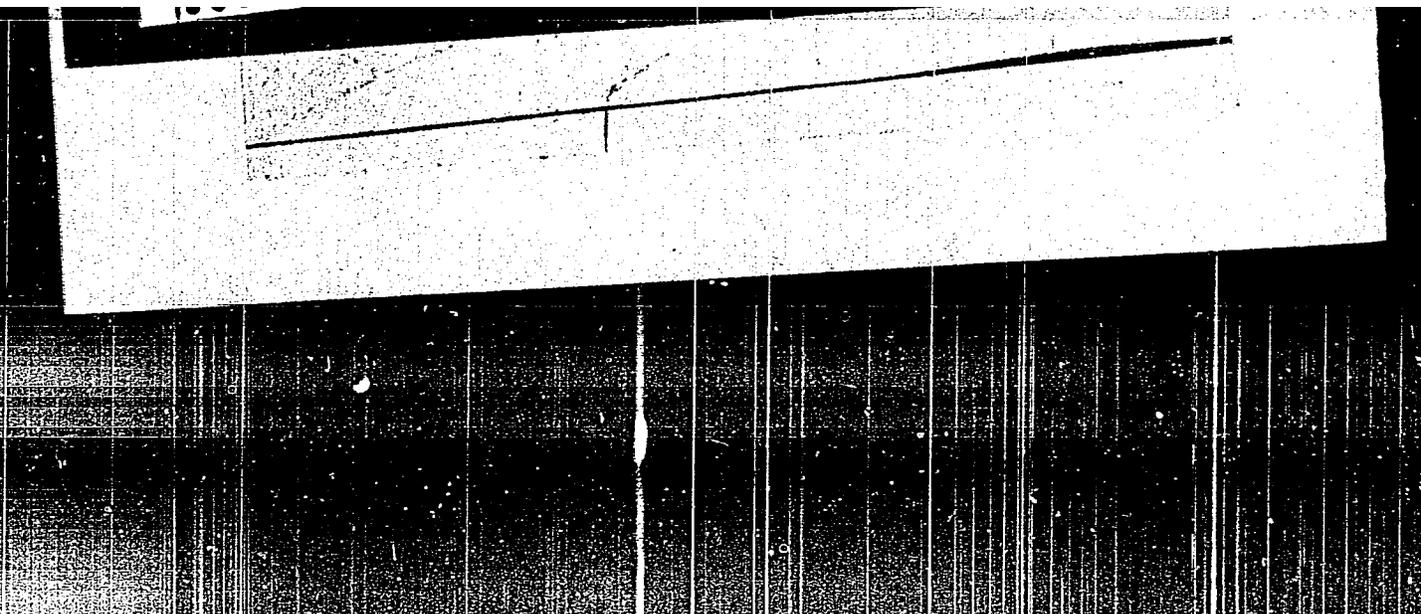
*Photosynthesis Lab. in. Richter,
Inst. Plant Physiol. in. Timiryazev*

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION



"APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R001136820



APPROVED FOR RELEASE: Monday, July 31, 2000

CIA-RDP86-00513R001136820C

NEZGOVOROV, L.A.

✓ Growth of tea seedlings after biological acidification of the soil. L. A. Nergovorov and G. M. Kpitavich (K. A. Timiryazev Inst. Plant Physiol., Moscow). *Doklady Akad. Nauk S.S.S.R.* 93, 929-32 (1963). — A forest-type soil whose liq. ext. had a pH of 6.8-7.0 is greatly improved in its ability to support tea plants when powd. S, along with superphosphate and K_2SO_4 , is added to it. This introduction changes the soil pH to about 6.6 and is effective since tea plants are very sensitive to pH of the soil, requiring the optimum of pH 4.5-6.4. G. M. Kosolapoff

62

①

NEZGOVOROV, L.A.

Destruction of chlorophyll in plastids and protective role of proteins
in cytoplasm. Doklady Akad. nauk SSSR 90 no.6:1175-1178 21 June 1953.
(GIML 25:1)

1. Presented by Academician V. N. Sukachev 17 April 1953.

NEZGOVOROV, L. A.

USSR/ Biology - Physiology of plants

Card : 1/1

Authors : Nezgovorov, L. A., cand. in Biology Scs.

Title : Plant situation in growth and development

Periodical : Vest. AN SSSR, 24, Ed. 5, 73 - 75, May, 1954

Abstract : Describes a conference held at the Institute of Plant Physiology im. K. A. Temiryazev of the Acad. of Scs. of the USSR, in which problems connected with new methods for feeding plants, were discussed.

Institution : ...

Submitted : ...

NEZGONOROV, L.A.

Aftereffect of low positive temperatures on photosynthesis in
cucumber plants [with English summary in insert] Fiziol.rast.
3 no.6:527-533 R-D '56. (MIRA 10:1)

1. Institut fiziologii rasteniy imeni K.A. Timiryazeva Akademii
nauk SSSR.Moskva.
(Plants, Effect of temperature on) (Photosynthesis)
(Cucumbers)

NEZGOVOROV, L.A.; SOLOV'YEV, A.K.

Cold resistance of germinating seeds and soil pathogenicity [with summary
in English]. Fiziol. rast. 4 no.6:489-501 N-D '57. (MIRA 10:12)

1. Institut fiziologii rasteniy im. K.A. Timiryazeva AN SSSR, Moskva.
(Germination)
(Plants, Effect of temperature on)
(Soil micro-organisms)

NEZGORVOROV, L.A.; SOLOV'YEV, A.K.

Cold resistance of plants and soil pathogenicity [with summary in English]. Fiziol.rast. 5 no.5:424-433 S-0 '58. (MIRA 11:11)

1. Institut fiziologii rasteniy imeni K.A. Timiryazeva AN SSSR, Moskva.
(Plants, Effect of temperature on) (Soil micro-organisms)

NEZGOVOROV, L.A.

Effect of soil pathogenicity on photosynthesis and chlorophyll content
of the cucumber plant under conditions of prolonged cooling. Fiziol.
rast. 6 no.5:585-591 S-0 '59. (MIRA 13:2)

I.K.A. Timiryazev Institute of Plant Physiology, U.S.S.R. Academy
of Sciences, Moscow.

(Plants, Effect of temperature on) (Chlorophyll)

(Soil micro-organisms)

NEZGONCOV, I.; RALEVA, A.

Plant resistance to frost, and soil pathology. p. 51

ANAL LE ROMINO-SOVIETIC. SRIIA AICLUGI (Academia Republicii Populare
Romine. Institutul de Studii Romino-Sovietic)
Bucuresti, Rumania
Vol. 13, no. 2, April/June 1959

Monthly list of East European Accession Index (EAI), LC Vol. 8, No. 12
November 1959
Encl.

NEZGOVOROV, L.A.; IBRAGIMOV, Sh.I.; SOLOV'YEV, A.K.

Reducing the pregermination death of seeds of thermophilic plants
at low temperatures. Fiziol.rast. 8 no.3:361-370 '61. (MIRA 14:5)

1. Institut fiziologii rasteniy im. K.A.Timiryazevskoi Akademii nauk
SSSR, Moskva i Institut genetiki i fiziologii rasteniy AN UzSSR,
Tashkent.

(Soil temperature) (Seeds)

NEZGOVOROV, L.A.

Causes of the increased pathogenicity of Pythium in cold soils.
Fiziol. rast. 10 no.1:55-64 Ja-F '63. (MIRA 16:5)

1. Institut fiziologii rasteniy imeni K.A.Timiryazeva AN SSSR, Moskva.
(Pythium) (Temperature--Physiological effect)

NEZGOVOROV, I.A.; SOLOV'YEV, A.K.

Effect of low temperatures and pathogenic soil microflora on
the water uptake of thermophilic plants. Fiziol. rast. 12
no.3:500-515 My-Je '65. (MIRA 18:10)

1. Institut fiziologii rasteniy imeni K.A. Timiryazeva AN SSSR,
Moskva.

NEZGOVOROV, L.A.; SOLOV'YEV, A.K.

Increasing the field frost resistance of corn by treating the seeds with large amounts of TMTD. Fiziol.rast. 12 no.6:1093-1103 N-D '65. (MIRA 18:12)

1. Institut fiziologii rasteniy imeni K.A.Timiryazeva AN SSSR, Moskva. Submitted June 19, 1965.

4.3700

7709
SOV 23-4-1-11 5'

AUTHORS: Sterlin, R. M., Plakina, L. N., Kravants, I. L.,
Nuzgovor, L. F.

TITLE: Radical Exchange of Perfluoroalkenylmagnesium Derivatives

PERIODICAL: Khimicheskaya nauka i progressirovanost', 1979, Vol. 1, No. 1,
pp 509-510 (USSR)

ABSTRACT: Radical exchange was studied in the system perfluoro-
vinyl iodide-phenylmagnesium bromide, in absolute
ether. To show exchange, arsenic trichloride or carbon
dioxide was added to the system. In the first case
tri-(trifluorovinyl)-arsine (11.3% yield, based on per-
fluorovinyl iodide), and in the second case perfluoro-
acrylic acid (32% yield, based on perfluorovinyl
iodide) were obtained. This shows that in systems $RMgX$
 $+ R'X \rightarrow R'MgX + RX$ radical exchange takes place only
when there exists a sufficient difference between the
electrophilicities of R and R'. There are 6 references,
3 Soviet, + U.S. The U.S. references are: O. R. Platts,

Card 1 of 1

Radical Examples of Penflorocarbonyl-
magnesium Derivatives

19299
SOV/01--0-10 1'

A. F. Melner, E. T. McBeu, J. Am. Chem. Soc., 75,
217 (1953); H. Gilman, H. L. Jones, *Ibid.*, 75, 217
(1953); P. Tarnant, D. A. Warner, *Ibid.*, 75, 217 (1953);
Rosen, The Chemistry of Organometallic Compounds (1953).

SUBMITTED: August 1, 1953

Card 1 of 2

NEZIGOROVA, L.A.

110

CA

Dark and light fixation of carbon dioxide by various plants.
L. A. Nezigorova (K. A. Timiryazev Plant Physiol Inst.,
Moscow). *Doklady Akad. Nauk S.S.S.R.* 79, 837-40
(1951).—By tracer technique with $C^{14}O_2$ the various plants
(kidney beans, string beans, tobacco, beet, kok-sagfays,
etc.) were shown to possess different distributions of the
tracer C indicating different photosynthetic paths in these
plants. Although generally the total C^{14} increases in concn.
in the dark, the relative distribution among the fractions of
carbohydrates and proteins is substantially the same in all
plants except tobacco. Hence, the primary introduction
of the C^{14} must occur in a similar manner in the dark stage
of the reaction; most C^{14} under these conditions is found
in the protein fraction. On exposure to light this decreases
and more is found in the sq. and portion of carbohydrates.
More C^{14} is found in the protein ppt. from younger plant
leaves than in older leaves. G. M. Konlapod

NEZGOVOROVA, L.A.

Possible role of proteins in photosynthesis. Doklady Akad. nauk
SSSR 85 no. 6:1387-1390 21 Aug. 1952. (GLML 23:3)

1. Presented by Academician A. I. Oparin 23 June 1952. 2. Institute of Plant Physiology imeni K. A. Timiryazev, Academy of Sciences USSR.

1. NEZGOVCROVA, L. A.
2. USSR (600)
4. Plants - Assimilation
7. Absorption of carbon dioxide in darkness by leaves of plants, Dokl. AN SSSR No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

NEZGOVOROVA, L. A.

Chemical Abst.,
Vol. 48
Apr. 10, 1954
Biological Chemistry

Dynamics of absorption of carbon dioxide by plant leaves in the dark and in light. L. A. Nezgovorova. *Doklady Akad. Nauk S.S.S.R.* 93, 1(85-9(1951)); cf. *C.A.* 47, 2282d.—CO₂ absorption by kidney bean plant was studied in an atm. labeled with C¹⁴O₂, with total CO₂ content of 7%. Both in the dark and in light atm. CO₂ is fixed in an organically bound form. Possibly the light and the dark absorption consist of carboxylation of substance, which are different in soly. and which are protein in nature. The shorter the exposure period to light the greater is the ratio of dark fixation of CO₂ to that in the light. The inorg.-bound CO₂ is in time utilized either in the dark or the light fixation into org. form. The quantity of inorg.-bound CO₂ absorbed in a short period (5 min.) in the dark exceeds by many-fold its amt. that is fixed immediately after exposure to light in contact with labeled CO₂. When light exposure was 4 hrs. and dark period 14 hrs. complete utilization does not occur in the dark, but the process is completed in light within 40 min. after which there is a decline of C¹⁴ in all fractions of the plant matter. The dynamics of fixation can be summarized thus: up to 40 min. light exposure gives a continuous decrease of dark fixation relative to light fixation (87% to 11%), then rises up to 4 hrs. when it reaches 31%. With short exposures and weak illumination the indexes of light and dark fixation begin to approach each other. Increase of light intensity lowers the relative content of C¹⁴ in alc.-sol. fraction of the plant matter and increases it in the other fractions.
G. M. Kosolapoff

USSR / Plant Physiology. Respiration and Metabolism.

I

Abs Jour : Ref Zhur - Biol., No 9, 1958, No 38880

Author : ~~Nezgovorova, L. A.~~
Inst : ~~Institute of Plant Physiology, Academy of Sciences, USSR~~
Title : Effects of Nitrogenous Feeding of Plants upon CO₂
Fixation by Leaves in Darkness.

Orig Pub : Fiziol. rasteniy, 1956, 3, No 4, 343-351

Abstract : Plants of tobacco, sunflower, cucumbers, and beans were grown in prepared sandy soils on Helrigel's mixture in the following variants: PK, NPK, and 3N (PK). Next, a part of the plants of the NPK received supplementary nitrogenous nutrient - 2N. In the case of plants of the variants 3N (PK) and NPK plus 2N, the leaves had a significantly higher content of total and protein N, and 3 to 4 times as many free amino acids. In order to determine the intensity of the CO₂ fixation in the dark, the leaves of all

Card 1/2

RUSSIAN VERNAL, L.A.H

I-2

USSR/Physiology of Plants. Photosynthesis.

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1121.

Author : Nezgovorova, L.A.

Inst : Institute of Physiology of the Academy of Sciences USSR

Title : The Products of Photosynthesis.

Orig Pub: Fiziologiya rasteniy, 1956, 3, No 6, 497-507.

Abstract: Leaves of tobacco, sunflower, and haricot were kept for from 5 seconds to 20 minutes in light in a $C^{14}O_2$ atmosphere, after which the products of photosynthesis were studied on paper by the chromatographic method. In most of the plants these products turned out to be analogical to those achieved through dark fixation with CO_2 , i.e. after exposing sunflower and cucumber to light for 5, 40, and 90 seconds, the basic mass of C^{14} in the young leaves was found in the aspartic [aminosuccinic] acid where it continued to accumulate. When the time of light exposition lengthened, in addition to the aspartic [ami-

-1-

Card : 1/3

USSR/Physiology of Plants. Photosynthesis.

I-2

Abs Jour: Ref. Zhur-Biologiya, No 1, 1958, 1121.

fructose. Heightening the light intensity strengthened the synthesis of amino acids and carbohydrates. In the author's opinion the carbohydrates are quantitatively the basic products of photosynthesis but not the primary ones. These findings agree with A.M. Levshin's hypothesis, according to which the synthesis of the chloroplast body precedes that of the free organic substances. The project was completed in the Institute of Physiology of the Academy of Sciences USSR. There is a bibliography of 28 titles.

Card : 3/3

-3-

NEZGOVOROVA, L.A.

Effect of the water supply of plants on the uptake and distribution
of carbon during photosynthesis [with summary in English]. Fisiol.
rast. 4 no. 5: 440-449 3-0 '57. (MIRA 10:11)

1. Institut fiziologii rasteniy im. K.A. Timiryazeva AN SSSR, Moskva.
(Plants, Effect of aridity on) (Photosynthesis)

ORIGIN : USSR
PLANT : PHYTOLOGY/Heat Resino
AUTHOR : P. P. KHUP, B. S. SOVA, NO. 4, 1957, No. 1-249
AUTHOR : Nekzivinova L.A.; Solov'ev, A.K.
TITLE : Cold-resistance of germinating seeds and
fertility of the soil.

REF. : Fiziol. rasteniy, 1957, 4, No.6, 489-501

ABSTRACT : With germination in cold soils the seeds of heat-loving plants were affected by pathogenic microorganisms even before lowered temperatures acted destructively on them. The roots proved to be the most sensitive to the influence of the cold and the pathogenic microorganisms. Cotyledon remained resistant to microorganisms and suffered from transfer to the warmth after the prolonged influence of lowered temperatures. After

CARD: 1/3

PLANT PHYSIOLOGY

PLANT PHYSIOLOGY

I

RUSSIAN JOURNAL

RUSSIAN JOURNAL OF BIOLOGICAL SCIENCES, NO. 4, 1959,

15997

AUTHOR
TITLE

ORIG. PUB. :

ABSTRACT : at 5-day chilling sprout respiration was intensified and then decreased. The course of the respiration curve was determined by the intensity of the cotyledon respiration and did not characterized the degree of injury of the roots. The suggestion is offered that with lower temperatures the microflora of the soil, harmless when the temperatures are optimal, become pathogenic. In the field a significant increase was noted

CAID: 2/7

PLANT PHYSIOLOGY

PLANT PHYSIOLOGY

I

AUTHOR
TITLE

ORIG. PUB. :

ABSTRACT : on the cold tolerance of seeds of heat-loving plants with pre-treatment by fungicide powders - mercuran, thiurad with lindane, thiural with dieldrin.-L.K. Polishchuk

CAID: 3/3

~~NEZGOVOROVA, L.A.~~

Prolonging the duration of linkage between assimilated carbon and aspartic acid. Fiziol. rast 6 no.4:451-456 J1-Ag '59. (MIRA 12:10)

1. Institut fiziologii rasteniy im. K.A. Timiryazeva Akademii nauk SSSR, Moskva.
(Photosynthesis) (Aspartic acid) (Carbon)

MEZGOVOROVA, L.A.

The carbon dioxide fixing complex in photosynthesis. Dokl. AN SSSR
134 no.1:203-206 S '60. (MIRA 13:8)

1. Institut fiziologii rasteniy im. K.A. Timiryazeva Akademii nauk
SSSR. Predstavleno akad. A.L. Kursanovym.
(PHOTOSYNTHESIS)

NEDESCU, I.A., L.A.,², KUMAR, N.K.,¹, (IUSN), (D People's Republic of
Romania).

"Inhibition of Photosynthesis by Hydroxylamine,
Nicotinic Acid Hydrazide and 2-Thiouracil."

Report presented at the 14th Int'l. Biophysical Congress,
Moscow, 1-16 Aug 1961.

KHURDUK, N.N.; NEZGOVOROVA, L.A.

Inhibition of photosynthesis by isonicotinic acid hydrazide,
hydroxylamine and chloramphenico. Fiziol. rast. 8 no.6:734-
742 '61. (MIRA 16:7)

1. Timiriazev Institute of Plant Physiology, U.S.S.R. Academy
of Sciences, Moscow. (Photosynthesis)

NEZHDANOV, Aleksey Alekseyevich

[From Tyumen' to Salekhard; from a travel notebook of a
newspaperman]Ot Tyumeni do Salekharda; iz putevogo bloknota
zhurnalista. Tiumen', Tiimenskoe knizhnoe izd-vo, 1961. 164 p.
(MIRA 15:10)

(Tyumen Province--Description and travel)

I. 05262-57 FWT(1)

ACC NR: AM6014903

Monograph

UR/

Nezhdanov, Igor' Vasil'yevich

Thyristor inverters² (Inventory na tiristorakh) Moscow, Izd-vo
"Energiya," 1965. 111 p. illus., biblio. 10,000 copies printed. *S* *2+*

Series note: Biblioteka po avtomatike, vyp. 152

TOPIC TAGS: inverter, dc to ac converter, thyristor inverter, single
phase parallel inverter, three phase parallel inverter

PURPOSE AND COVERAGE: This monograph is intended for engineers con-
cerned with the design and development of inverters based on a new
semiconductor device—the thyristor. A brief outline of possible
schematics, principles and features of inverter power supply units and
also the approximate calculation of inverter power pack elements
are discussed. No personalities are mentioned. There are 21 refer-
ences: 18 Soviet and 3 non-Soviet.

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UDC 621.324.57

ACC NR: AM6014903

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 2. Operating principles of power sections in single-phase parallel inverters of classical design. -- 12
 3. Operating principles of power-sections in single-phase parallel inverters with inverse rectification -- 21
 4. Characteristic features of three-phase parallel inverters of classical design intended for supplying asynchronous motors -- 30
 5. Features of thyristor parallel inverter operation -- 33
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L 05262-67

ACC NR: AM6014903

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AVAILABLE: Library of Congress

SUB CODE: 09, 10/ SUBM DATE: 27Oct65/ ORIG REF: 018/ OTH REF: 003

Card

3/3

L 7644-66

ACC NR: AP5024990

SOURCE CODE: UR/0286/65/000/016/0053/0053

AUTHORS: Uan-Zo-Li, B. L.; Neshdanov, I. V.

20

ORG: none

B

TITLE: Static voltage converter. Class 21, No. 173835. [announced by Organization of the State Committee for Aviation Technology SSSR (Organizatsiya gosudarstvennogo komiteta po aviatsionnoy tekhnike SSSR)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 53

TOPIC TAGS: electronic transformer, bridge circuit, *electronic circuit*

ABSTRACT: This Author Certificate presents a static voltage converter in the form of two bridge circuits with series connected output coils and synchronization by blanking pulses. The converter also contains feedback coils with duplication of power units and utilization of fuses. To insure protection from short circuiting in the load and in the power units, the feedback coils of the bridge circuits are connected in parallel through a resistance at the input of the power units (see Fig. 1).

Card 1/2

UDC: 621.314.572.064.1

2

L 7644-66

AGC NR: AF5024990

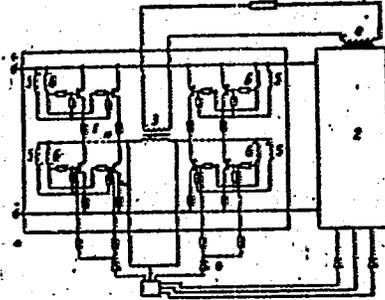


Fig. 1. 1 and 2- bridge circuit; 3 and 4- output coils; 5- feedback coils of one bridge circuit; 6- feedback coils of other bridge circuit

For simplification, in each arm of the bridge circuits half of the duplicated units are connected to the feedback coils of one bridge circuit, and the second half to the coils of the other bridge circuit. Orig. art. has: 1 diagram.

SUB CODE: EG/ SUBM DATE: 06Apr64

Card ^M2/2

L. 6992-66

ACC NR: AP5026807

SOURCE CODE: UR/0286/65/000/017/0090/0090

INVENTOR: Moin, V. S.; Nezhdanov, L. V.; Smol'nikov, L. Ye.; Laptev, N. N. 35

ORG: none B

TITLE: A semiconductor switch. Class 42, No. 174434

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 90

TOPIC TAGS: semiconductor device, electric switch

ABSTRACT: This Inventor's Certificate introduces a semiconductor switch based on a $p-n-p-n$ structure. Switching time from the "on" to the "off" state is reduced by connecting a diode between the n -regions with the anode connected to the n -emitter and the cathode connected to the n -base, while a second diode is connected between the p -regions with the anode connected to the p -base and the cathode connected to the p -emitter.

SUB CODE: EC/ SUBM DATE: 29Apr62/ ORIG REF: 000/ OTH REF: 000

Card 1/2

UDC: 681.142.07

0701177

L 6992-66

ACC NR: AP5026807

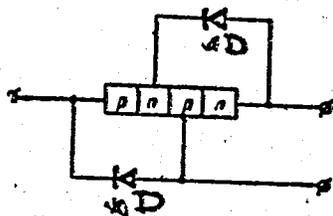


Fig. 1.

Card 2/2 *ndo*

L 8168-66 EPF(n)-2/EEC(k)-2/EWT(1)/EWA(h) AT/WW

ACC NR: AP5025685

SOURCE CODE: UR/0286/65/000/018/0036/0036

AUTHORS: ^{44,55} Uan-Zo-Li, B. L.; ^{44,55} Gasparov, R. G.; ^{44,55} Zav'yalov, M. P.; ^{44,55} Mezhdanov, I. V.

ORG: none

TITLE: Self-excited pulse generator? Class 21, No. 174662 [announced by State Committee for Radio Electronics SSSR (Organizatsiya gosudarstvennogo komiteta po radioelektronike SSSR)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 36

TOPIC TAGS: ^{21,44,55} pulse generator, pulse rate

ABSTRACT: This Author Certificate presents a self-excited pulse generator made as a relaxation oscillator with a storage capacitor, a time-setting circuit, and a controllable gate. To increase the output power and to broaden the frequency range of the generator, an additional charge-discharge circuit containing a capacitor, a saturation choke, and the primary of the load transformer is connected in parallel with the generator power supply (see Fig. 1). A decoupling diode is connected between the two circuits. Another diode, whose connection polarity is opposite the connection polarity of the decoupling diode, is connected between the cathode of the

Card 1/2

UDC: 621.373.431.3

L 8168-66

ACC NR: AP5025685

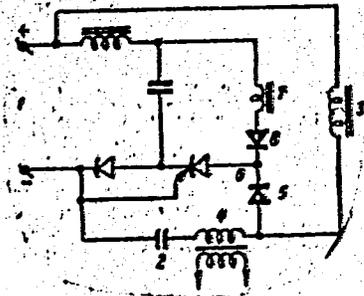


Fig. 1. 1- power supply; 2- capacitor; 3- saturation choke; 4- primary of load transformer; 5- decoupling diode; 6- cathode of decoupling diode; 7- oscillator choke; 8- opposing diode

decoupling diode and the choke of the oscillator. Orig. art. has: 1 diagram.

SUB CODE: EC/

SUBM DATE: 06Jun63

jw
Card 2/2

L 39802-66 EWT(1)/ETC(f)/EWG(m)/EWA(h) GD-2

ACC NR: AP6011210

SOURCE CODE: UR/0413/66/000/006/0045/0046

INVENTOR: Nezhdanov, I. V.; Golovanova, I. N.

ORG: none

TITLE: A single-phase inverter.²⁵ Class 21, No. 179830

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 45-46

TOPIC TAGS: electric inverter, thyristor, semiconductor device

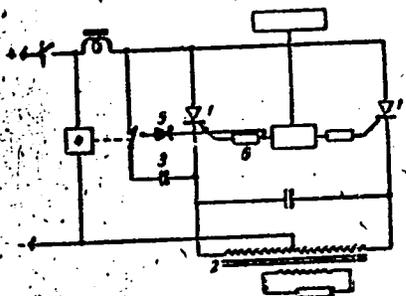
ABSTRACT: This Author's Certificate introduces a single-phase inverter based on thyristors connected in a circuit with a centertapped supply transformer. An electromagnetic relay is used as a delay element. The inverter is simplified and made more reliable by using a capacitor with one plate connected to the cathode of one of the thyristors and the other plate connected to the anode of this same thyristor through a normally closed contact on the relay and to the control electrode through a diode, resistor and normally open contact on the relay.

UDC: 621.314.
.572.025.1

Card 1/2

L 39802-66

ACC NR: AF6011210



1--thyristors; 2--supply transformers;
3--bypass capacitor; 4--relay; 5--diode;
6--resistor.

SUB CODE: 09/

SUBM DATE: 26Oct64/

ORIG REF: 000/

OTH REF: 000

Card

212MLP

L 33324-66 EWT(1)

ACC NR: AP6021783

SOURCE CODE: UR/0413/66/000/012/0049/0049

17
B

INVENTOR: Nezhdanov, I. V.; Moin, V. S.

ORG: none

TITLE: Relaxation oscillator with an LC resonant circuit. Class 21, No. 182766

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 12, 1966, 49

TOPIC TAGS: relaxation oscillator

ABSTRACT: A relaxation oscillator circuit with an LC-tank, thyristor, diode, and a pulse transformer is introduced. The primary winding of the pulse transformer is

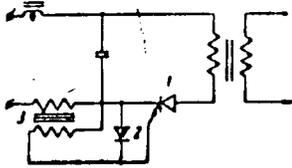
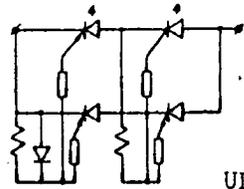


Fig. 1. Relaxation oscillator

1 - Thyristor; 2 - diode; 3 - pulse transformer; 4 - additional thyristors.



Card 1/2

UDC: 621.373.431.2

L 33324-66

ACC NR: AP6021783

connected in series with the resonant LC circuit, while the secondary winding is joined to the thyristor control electrode. This increases frequency stability and output power of the generated pulses. A more reliable circuit may be formed if additional thyristors are used. These may be controlled by separate secondary windings of the pulse transformer as shown in the lower circuit. Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 19May64/ ATD PRESS: 5026

[BD]

Card 2/2 ULP

NECHDANOV, M.P., 192h.

Machine for cutting thick nonferrous-metal sheets. Mashino-
stroenie no. 1:27-28 Ja-F '65. (MIRA 1964)

~~HEZHDANOV, E.G.~~, starshiy master sortovykh stanov; MIRENSKIY, M.L., inzhener-
kalibrevshchik.

Organizing the rolling of tie plates for narrow-gauge tracks. Metallurg
no.1:32-33 Ja '56. (MIRA 9:9)

1.Kuznetskiy metallurgicheskiy kombinat.
(Rolling (Metalwork)) (Railroads--Ties)

NEZH DANOV, S.A., inzh.; SAZONOV, N.I., kand.tekhn.nauk

Soviet mobile power plants. Elek.sta.33 no.1:68-70 Ja '62.

(MIRA 15:3)

(Electric power plants)

NEZH'DANOV, V.G.

PLANS FOR BOOK EDITORIALS 827/533

Tranzporyt i avtomatizatsiya upravleniya avtomaticheskimi sistemami v promyshlennosti. M., Moscow, 1979

Obshchestvennoye i ekonomicheskoye upravleniye avtomaticheskimi sistemami v promyshlennosti (Kolektivnoye i avtomatizatsiya upravleniya avtomaticheskimi sistemami v promyshlennosti) Moscow, Gosstatizdat, 1960. 470 p. 11,000 copies printed.

General Editor: I.I. Pal'tov, A.A. Shubin, and N.D. Chilikin; Editor: I.I. Smid, and Editor: S.M. Ivanov, E.Y. Yermolaev, and G.Ye. Larionov.

Purpose: The collection of reports is intended for the scientific and technical personnel of scientific research institutes, plants and schools of higher education.

Content: The book is a collection of reports submitted by scientific workers at plants, scientific institutes and schools of higher education. It contains the reports of the All-Union Conference on the Automation of Industrial Processes in Machine Building and Automated Electric Drives in Industry held in Moscow on May 12-16, 1979. The Conference was called by the Academy of Sciences USSR, the Scientific Center for Planning Commission (USSR), the GFTI USSR, the Construction Ministry (USSR) and the Ministry of Machine Building (USSR). The collection is intended for the scientific and technical personnel of scientific research institutes, plants and schools of higher education. The book is a collection of reports submitted by scientific workers at plants, scientific institutes and schools of higher education. It contains the reports of the All-Union Conference on the Automation of Industrial Processes in Machine Building and Automated Electric Drives in Industry held in Moscow on May 12-16, 1979. The Conference was called by the Academy of Sciences USSR, the Scientific Center for Planning Commission (USSR), the GFTI USSR, the Construction Ministry (USSR) and the Ministry of Machine Building (USSR). The collection is intended for the scientific and technical personnel of scientific research institutes, plants and schools of higher education.

GENERAL PRINCIPLES OF ELECTRIC DRIVE AND AUTOMATIC CONTROL

Journalist, A.A., Candidate of Technical Sciences, and B.Ye. Zhurav, Engineer. Year-Assistant Three-hole A-C II-Type Conductors for Magnetic Starters of the PA Series. 444

Engineer, A.A., Candidate of Technical Sciences, and N.A. Shubin, Engineer and Inventor. Apparatus for Protecting Electric Motors Against Overheating. 446

Engineer, A.A., and E.Ye. Ivanov, Candidates of Technical Sciences. Small-Size Starting Equipment for D-C Motors. 447

Goldobov, A.A., and A.Ye. Denisov, Engineers. 200-A Inverter for a Gas-Flow Converter Drive. 449

Yemel'yanov, A.A., Candidate of Technical Sciences, and V.G. Matkovskiy, Engineer. Small-Size Intermittent Heavy-Current Motors. 449

Goldobov, A.A., Dr. V. Pavlov, and E.Ye. Ivanov, Engineers. Automatic Control of Single-Phase Synchronous Motors. 451

Yemel'yanov, A.A., Candidate of Physical and Mathematical Sciences. Properties of Full-Bridge Film Bridges and Their Use in Magnetic Flux Measurement. 457

Yemel'yanov, A.A., Candidate of Physical and Mathematical Sciences, and I.A. Rabinovich, Dr. V. Pavlov, Engineers. Oscillation Recording of the Electric Moment of Electric Machines by Means of Full-Bridge Film Bridges. 459

Yemel'yanov, A.A., Engineer. Errors in Determining Magnetic Flux under Transient Operating Conditions of D-C Machines by Means of Full-Bridge Film Bridges. 470

AVAILABLE, Library of Congress (TK4056.T8 1979)

NEZHIDANOVA, Z.A.

GORLANOVA, T.T.; NEZHIDANOVA, Z.A. [deceased]

The problem of experimental hyperthyreosis. Report No.7: State of the neuromuscular apparatus during chronic stimulations of jugular sympathetic nerves in thyroidectomized dogs. Mat.po evol. fiziol. 1:104-108 '56. (MIRA 11:1)

(NERVOUS SYSTEM, SYMPATHETIC)

(MUSCLES--INNERVATION) (THYROID GLAND)

8235-66 FWT(m)
ACC NR: AT5024255

SOURCE CODE: UR/2610/65/000/032/0229/0237

AUTHOR: Nezhdin, N. I. (Corresponding member AN SSSR); Mizhnik, G. V. 30
B71

ORG: Institute of Genetics, Academy of Sciences USSR (Institut genetiki, Akademiya nauk SSSR)

TITLE: Protection of rabbit spermatozoa from genetic injuries caused by vitro irradiation

SOURCE: AN SSSR. Institut genetiki. Trudy, no. 32, 1965. Deystviye ioniziruyushchikh izlucheniyy na rastitel'nyy i zhivotnyy organizmy (Effect of ionizing radiation on plant and animal organisms), 229-237

TOPIC TAGS: radiation biologic effect, biologic reproduction, rabbit, radioprotective agent

ABSTRACT: The effectiveness of certain substances known to prevent genetic injury was tested by Co^{60} gamma irradiation of rabbit spermatozoa in vitro. The chemicals MEA, AET, cysteine, sulfur, and carbon monoxide — were introduced into the ejaculate prior to irradiation with a dose of 800 rad. Experimental results showed that these substances do not diminish the genetic injury from radiation (defined as a majority of deaths of spermatozoa). When females were inseminated with spermatozoa irradiated both with and without protectors, the same high percentage of embryo deaths was observed in both groups. The deaths of the embryos occurred mainly in the early

Card 1/2

UDC: 577.391

L 8235-66

ACC NR: AT5024255

developmental stages, prior to implantation. However, quite different results were obtained with nitration of the ejaculate and with irradiation of spermatozoa in a nitrogen atmosphere. Under these conditions, the percentage of normal embryos from females irradiated in the air. The use of MEA tagged with S³⁵ showed that this substance, immediately after introduction into the ejaculate, penetrates the spermatozoon where it is accumulated in sufficiently high concentrations. Thus, the fact that MEA does not have a protective effect is not connected with the inability of the substance to penetrate spermatozoa. Perhaps, this chemical (as well as the others tested) can not combine with sperm molecules, especially their DNA, to produce the chemical reaction which results in protection. Orig. art. has: 1 table. [JS]

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 004/ OTH REF: 021

60

Card 2/2

GORDEYEV, Vasilii Aleksandrovich; MEZHTEL'SKAYA, A.I., retsenzent;
ARKHANGEL'SKIY, S.S., redaktor; EL'KINA, E.M., tekhnicheskii
redaktor.

[Construction and maintenance of the AT-100 automatic loom]
Ustroistvo i obsluzhivanie avtomaticheskogo tkatskogo stanka
AT-100. Izd.2-oe, ispr. 1 dop. Moskva, Gos.nauchno-tekhn.
izd-vo Ministerstva promysh.tovarov shirokogo potrebleniia
SSSR, 1955. 170 p. (MLRA 8:11)
(Looms)

66322

SOV/162-59-1-21/27

~~9 (2, 5)~~ 9.3240

AUTHORS: Lebedev, V.L., Nezhel'skaya, L.Ya.

TITLE: The Wideband h-Type Neutralization in Transistorized High-Frequency Amplifiers

PERIODICAL: Nauchnyye doklady vysshey shkoly, Radiotekhnika i elektronika, 1959, Nr 1, pp 182-187

ABSTRACT: The authors analyze two simple wideband-h-type neutralization circuits in transistorized high-frequency amplifiers. They present formulas for the calculation of these circuits and the results of an experimental investigation of one of these circuits. A general block diagram of the h-type neutralization is shown in Fig 1. One of the possible h-type neutralization circuits is shown in Fig 2. As it was shown by a number of other investigators, the y-parameters for a junction transistor with a common emitter may be represented with sufficient accuracy by equivalent circuits as shown in Fig 3. The authors present formulas for calculating the influence of the neutralization circuit on the output

Card 1/3

66322

SOV/162-59-1-21/27

The Wideband h-Type Neutralization in Transistorized High-Frequency Amplifiers

of an amplifier stage. The neutralization circuit shown in Fig 2 was investigated experimentally using a P1Ye transistor. The relative value of the parameter $|H_{12*}|$ of neutralized P1Ye transistor is shown graphically in Fig 4. The authors state in their conclusion that the analysis and experimental investigation confirm that the simple neutralization circuits considered in this paper provide a sufficiently effective wideband neutralization of the internal feedback in a transistor. However, its application may lead to an essential loss of amplification of an amplifier stage. There are 1 block diagram, 1 set of circuit diagram, 2 circuit diagrams and 1 graph.

ASSOCIATION: Kafedra radiopriyemnykh ustroystv Moskovskogo energeticheskogo instituta (Chair of Radio Receivers of the Moscow Power Engineering Institute) 4

Card 2/3

NEZHEL'SKIY, F.T., inzh.

Improving the separation devices of boilers. *Energetik* 8 no. 4:15-
18 Ap '60. (MIRA 13:8)

(Boilers)

MEZHENTSEV, B.

For high efficiency in the economic work of a bank. Fin. SSSR.
22 no. 2:73-78 F '61. (MIRA 14:2)

1. Zamestitel' upravlyayushchego Luganskoy kontoroy Stroybanka.
(Lugansk Province--Banks and banking)
(Lugansk Province--Construction industry--Costs)

ROMANOV, F. I., (Ingr)

Dissertation: "Investigation of deformations under a bending flow." Candidate of
Moscow Order of Labor Red Banner Engineering Construction Institute. V. V. Muravyev,
11 May 54. Vechernyaya Moskva, Moscow, 3 May 54.

SO: 284, 26 Nov 1954

SOV 124-58-4-4573

Translation from: Referativnyy zhurnal Mekhanika, 1958, Nr 4, p 131 (USSR)

AUTHOR: ~~Nezhentsev, P. L.~~

TITLE: The Determination of Dynamic Deflections With Elastic-plastic Deformation at the Contact Point (Opredeleniye dinamicheskikh progibov s uchetom uprugoplasticheskikh deformatsiy v meste kontakta)

PERIODICAL: Tr. Nikolayevskogo korablestroit. in-ta, 1956, Nr 8, pp 211-218

ABSTRACT: The article considers the problem of the impact of a load against a beam including the elastic-plastic deformation at the contact point. The method offered by N. N. Davidenko is employed for the solution (Sb. tr. In-ta stroit. mekhan. AN UkrSSR, 1949, Nr 11): An elastic system with one degree of freedom is substituted for the beam; it is assumed that the relationship between the local deformation at the contact point and the force developed by the impact is linear. Only the maximum deflection of the beam and the maximum local deformation are determined; the further processes associated with the impact are not considered. The article gives the calculated and experimental values of the dynamic deflections obtained for

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SOV/124-58-4-4573

The Determination of Dynamic Deflections (cont.)

three different beams with four different types of the supports.

Yu. A. Rakovshchik

1. Beams--Simulation 2. Beams--Deformation 3. Mathematics

Card 2/2

ACC NR: AT7004020 (A, N) SOURCE CODE: UR/3239/66/000/002/0143/0149

AUTHOR: Nezhentsev, P. I.

ORG: None

TITLE: Determination of the fatigue limit in the case of an asymmetric stress cycle

SOURCE: Nikolayev. Korablestroitel'nyy institut. Sudostroyeniye i morskoye sooruzheniya, no. 2, 1966. Sudostroyeniye (Shipbuilding), 143-149

TOPIC TAGS: fatigue strength, cyclic strength, tensile strength

ABSTRACT: The author discusses the complications involved in predicting fatigue life on the basis of tests or observations to establish *S-N* relationships. The various formulas proposed in the literature for calculating the fatigue limit under symmetric and asymmetric cyclic loading are reviewed and compared with experimental data. A convenient method is proposed for constructing a simplified maximum stress diagram and a general expression is given for the fatigue limit. A comparison between experimental data and the results given by this formula shows a divergence of 1.5-6% where the corresponding discrepancy using other formulas reaches 16-17%. A more exact formula is given for the fatigue limit when the coefficient of skewness varies from 0 to 1. In using these formulas, it is sufficient to know the tensile strength of the material and the fatigue limit in the case of a symmetric stress cycle, i. e. figures which may be found in the reference literature. Orig. art. has: 6 figures, 2 tables, 15 formulas.

SUB CODE: 11, 13/ SUBM DATE: None

Card 1/1

Mezhentsev, Vadim Vasil'yevich

DUDNIK, Tina Mitrofanovna, kand. tekhn. nauk; STARIKOV, Lenin Alekseyevich,
kand. ekon. nauk; MEZHENTSEV, Vadim Vasil'yevich, gornyy inzh.;
SUROVA, V.A., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[Productive capacity of mines and its utilization] Proizvodstvennye
moshchnosti shakht i ikh ispol'zovanie. Moskva, Ugletekhizdat,
1958. 112 p. (MIRA 12:4)

1. Kafedra ekonomiki i organizatsii gornogo proizvodstva Khar'kov-
akogo inzhenerno-ekonomicheskogo instituta (for Dudnik, Starikov,
Mezhentsev).

(Coal mines and mining)

DUDNIK, T.M.; STARIKOV, L.A.; NEZHENTSEV, V.V.; DOPPEL'MAYYER, K.K.;
STEPUN, A.O., otv.red.; OSVAD'D, S.Ya., red.izd-va; LOMILINA,
L.N., tekhn.red.; SHKLYAR, S.Ya., tekhn.red.

[Principles of the analysis of mine economics] Osnovy analiza
khoziaistvennoi deiatel'nosti shakhty. Moskva, Gos.nauchno-tekhn.
izd-vo lit-ry po gornomu delu, 1959. 103 p. (MIRA 12:12)
(Mining industry and finance) (Mine management)

NEZHENTSEV, V.V., inzh.; SIVYY, V.B., kand.ekon.nauk

Study of the effectiveness of the concentration of mining operations.
Izv. vys. ucheb. zav.; gor. zhur. no.11:61-65 '61. (MIRA 13:1)

1. Khar'kovskiy inzhenerno-ekonomicheskii institut. Rekomendovana
kafedroy ekonomiki i organizatsii gornogo proizvodstva.
(Coal mines and mining)

MEZHENTSCV, Vadim Vasil'yevich; SVYY, Vladimir Borisovich; SURKOV,
Adol'f Gavrilovich; MIROSHNICHENKO, V.D., red. izd-va;
OVSEYENKO, V.G., tekhn. red.

[Economics and organization of mine haulage] Ekonomika i organi-
zatsiia shakhtnogo transporta. Moskva, Gosgortekhnizdat, 1962.
199 p. (MIRA 15:9)

(Mine haulage)

NEZHENTSEV, Vadim Vasil'yevich; SIVYY, Vladimir Borisovich;
YAKOVLEV, Nikolay Aleksandrovich; MAYZEL', L.L., kand.
ekon. nauk, retsenzent; RODINOV, N.P., ved. red.

[Organization of rhythmic operations in mines] Organi-
zatsia ritmichnoi raboty shakht. Moskva, Nedra, 1965.
140 p. (MIRA 18:7)

NEZHEVENKO, A.S., laureat Stalinskoy premii; RUDNIK, S.S., professor,
redaktor; NESTERENKO, D.K., tekhnicheskiy redaktor

[My experience with high-speed milling of metals] Moi opyt skorostnoi
obrabotki metallov. Kiev, Gos. nauchno-tekhn. izd-vo mashinostroit.
lit-ry, 1952. 61 p. [Microfilm] (MLRA 9:12)
(Metalwork)

KARPOVA, A., MEZHEVENKO, G.

Machine Tools

Improve tools and technology. Tekh. molod. no. 3, 1952.

Monthly List of Russian Accessions. Library of Congress, August, 1952. UNCLASSIFIED.

1. LAMON, YE. A.; NEZHEVENKO, G.S.

2. USSR (600)

4. Reamers

7. Shell reamer with removable flutes. San i instr. 23 no. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.